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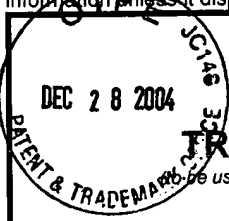
PTO/SB/21 REV 1 (12/97)

Approved for use through 09/30/2000. omb 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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 TRANSMITTAL FORM <small>to be used for all correspondence after initial filing)</small>	Application Number	10/688,726	
	Filing Date	10/17/2003	
	First Named Inventor	M. Krounbi et al	
	Examiner Name	A. D. Tugbang	
	Group Art Unit	3729	
Total Number of Pages in This Submission	+ postcard	Attorney Docket Number	SJO919960080US3

ENCLOSURES (check all that apply)

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|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input checked="" type="checkbox"/> Substitute Amendment/Response
<input type="checkbox"/> After Final
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> PTO Form 1449
<input type="checkbox"/> (no.) cited references

<input type="checkbox"/> Certified Copy of Priority Document(s)

<input type="checkbox"/> Response to Missing Parts/Incomplete Application

<input type="checkbox"/> PTO Form 1533

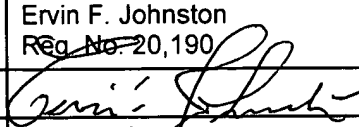
<input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment w/Recordation Sheet
<input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Request for Drawing Amendment
<input type="checkbox"/> Licensing-related Papers
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<input type="checkbox"/> To Convert a Provisional Application
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<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):

POSTCARD

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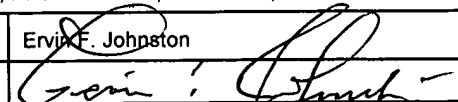
Remarks:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Ervin F. Johnston Reg. No. 20,190
Signature	
Date	December 22, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Typed or printed name	Ervin F. Johnston	Date	December 22, 2004
Signature			

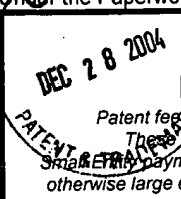
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PTO/SB/17 REV 1 (12/97)

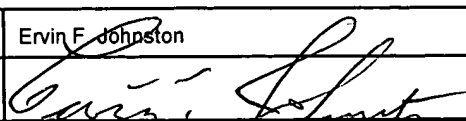
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<div style="text-align: center;">  <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision on October 1. These are the fees effective November 10, 1998. Small entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28</p> </div>		Complete If Known	
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		First Named Inventor	M. Krounbi et al
		Examiner Name	A. Tugbang
		Group / Art Unit	3729
TOTAL AMOUNT OF PAYMENT		(\$)	264.00
		Attorney Docket No.	SJO919960080US3

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																				
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</p> <p>Deposit Account Number <u>50-2587</u> Deposit Account Name <u>Hitachi Global Storage Technologies</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance. 37 CFR 1.311(b)</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116 410</td><td>216 205</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117 930</td><td>217 465</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118 1,450</td><td>218 725</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>128 1,970</td><td>228 985</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>119 320</td><td>219 160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 320</td><td>220 160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 280</td><td>221 140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141 1,300</td><td>241 650</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142 1,300</td><td>242 650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 470</td><td>243 235</td><td>Design issue fee</td><td></td></tr> <tr><td>144 630</td><td>315 300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>126 180</td><td>126 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>146 750</td><td>246 375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>179 750</td><td>249 375</td><td>Request for continued examination (RCE) (37 CFR 1.114)</td><td></td></tr> </tbody> </table> <p>Other fee (specify) <u>Terminal Disclaimer</u></p> <p>Other fee (specify) _____</p> <p style="text-align: right; font-weight: bold;">SUBTOTAL (3) (\$)</p> <p style="font-size: x-small; margin-top: 10px;">*Reduced by Basic Filing Fee Paid</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for response within first month		116 410	216 205	Extension for response within second month		117 930	217 465	Extension for response within third month		118 1,450	218 725	Extension for response within fourth month		128 1,970	228 985	Extension for response within fifth month		119 320	219 160	Notice of Appeal		120 320	220 160	Filing a brief in support of an appeal		121 280	221 140	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive unavoidably abandoned application		141 1,300	241 650	Petition to revive unintentionally abandoned application		142 1,300	242 650	Utility issue fee (or reissue)		143 470	243 235	Design issue fee		144 630	315 300	Plant issue fee		122 130	122 130	Petitions to the Commissioner		126 180	126 180	Submission of Information Disclosure Stmt		146 750	246 375	Filing a submission after final rejection (37 CFR 1.129(a))		179 750	249 375	Request for continued examination (RCE) (37 CFR 1.114)	
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SUBMITTED BY		COMPLETE (if applicable)	
Typed or Printed Name	Ervin F. Johnston	Reg. Number	20,190
Signature		Date	December 22, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

M. Krounbi et al

Serial No.: 10/688,726

Filed: 10/17/2003

Title: METHOD OF MAKING A HORIZONTAL
THIN FILM WRITE AND READ HEAD

Group Art Unit: 3729

Examiner: Anthony D. Tugbang

Atty Docket : **SJO919960080US3**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUBSTITUTE AMENDMENT

This "Substitute Amendment" is in response to the Office Communication dated 12/07/2004.

This "Substitute Amendment responds to the Office Action mailed 09/24/2004.

12/30/2004 RMEBRAHT 00000026 502587 10688726

01 FC:1201 600.00 DA